

AMENDMENTS TO THE CLAIMS:

Claims 1-7 are canceled without prejudice or disclaimer. Claims 8-20 are added. The following is the status of the claims of the above-captioned application, as amended.

Claims 1-7 (Cancelled.)

Claim 8. (New.) A polypeptide which:

- a) has phospholipase activity,
- a) has an amino acid sequence which is at least 50 % identical to SEQ ID NO: 1, and
- b) has one or more of the following amino acid alterations: D62Q/E/F/W/V/P/L/G; V60R/S/K; S85Y/T; G91R/E; R125K; V203T; V228A; T231R; N233R; L259R/V/P; a deletion D266*; and/or L269A (using SEQ ID NO:1 for numbering).

Claim 9. (New.) The polypeptide of claim 8, which has one or more of the following amino acids alterations D57G, V60G/C/L/Q, D62H/A, S83T, R84G/S/W; G91A/V, L93K, D96W/F/G, E99K, R125K, L259S, F262L, G263Q, L264A, I265T, G266D, T267A/E, L269N and/or by a C-terminal extension.

Claim 10. (New.) The polypeptide of claim 9, wherein the C-terminal extension is AGGFS or AGGFSWRRYRSAESVDKRAMTDAELEKKLNSYVQMDKEYVKNNQARS.

Claim 11. (New.) The polypeptide of claim 8, which has the sequence of SEQ ID NO: 1 with one of the following sets of alterations:

R84W +D96W +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKRAMTDAELEKKLNSYVQMDKEYVKNNQARS
R84W +G91E +D96W +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKRAMTDAELEKKLNSYVQMDKEYVKNNQARS
V60G +D62E +R84W +G91A +D96F +E99K +G263Q +L264A +I265T +G266D +T267A +L269N
R84W +G91R +L93K +D96G +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKRAMTDAELEKKLNSYVQMDKEYVKNNQARS

V60G +D62F +R84W +G91A +D96W +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKTRATMTDAELEKKLNSYVQMDKEYVKNNQARS
R84W +S85Y +G91A +D96W +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKTRATMTDAELEKKLNSYVQMDKEYVKNNQARS
R84W +G91A +D96W +E99K +L259V +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKTRATMTDAELEKKLNSYVQMDKEYVKNNQARS
V60G +D62W +R84W +G91A +D96F +E99K +G263Q +L264A +I265T +G266D +T267A +L269N
R84W +G91R +D96F +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKTRATMTDAELEKKLNSYVQMDKEYVKNNQARS
V60C +D62H +R84W +G91A +D96F +E99K +G263Q +L264A +I265T +G266D +T267A +L269N
V60G +D62V +R84W +G91A +D96F +E99K +G263Q +L264A +I265T +G266D +T267A +L269N
V60K +D62L +R84W +G91A +D96F +E99K +G263Q +L264A +I265T +G266D +T267A +L269N
V60R +D62L +R84W +G91A +D96F +E99K +G263Q +L264A +I265T +G266D +T267A +L269N
V60G +D62G +R84W +G91A +D96W +V228A +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKTRATMTDAELEKKLNSYVQMDKEYVKNNQARS
V60L +D62A +R84W +G91A +D96W +E99K +R125K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKTRATMTDAELEKKLNSYVQMDKEYVKNNQARS
D62E +R84W +G91A +D96W +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKTRATMTDAELEKKLNSYVQMDKEYVKNNQARS
V60S +D62L +R84W +G91A +D96F +E99K +F262L +G263Q +L264A +I265T +G266D +T267A +L269N

D57G +V60Q +D62P +R84W +G91A +D96F +E99K +G263Q +L264A +I265T +G266D +T267A +L269N
R84W +G91A +D96W +E99K +L259R +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKTRATMTDAELEKKLNSYVQMDKEYVKNNQARS
D62Q +R84W +G91A +D96W +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKTRATMTDAELEKKLNSYVQMDKEYVKNNQARS
R84W +G91A +D96W +E99K +V203T +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S +275WRRYRSAESVDKTRATMTDAELEKKLNSYVQMDKEYVKNNQARS
R84S +S85T +G91A +D96S +T231R +N233R +L259P +G263Q +L264S +I265T +G266* +T267E +L269A

Claim 12. (New.) The polypeptide or claim 8, which has an amino acid sequence which is at least 60 % identical to SEQ ID NO: 1.

Claim 13. (New.) The polypeptide or claim 8, which has an amino acid sequence which is at least 70 % identical to SEQ ID NO: 1.

Claim 14. (New.) The polypeptide or claim 8, which has an amino acid sequence which is at least 80 % identical to SEQ ID NO: 1.

Claim 15. (New.) The polypeptide or claim 8, which has an amino acid sequence which is at least 90 % identical to SEQ ID NO: 1.

Claim 16. (New.) The polypeptide or claim 8, which has an amino acid sequence which is at least 95 % identical to SEQ ID NO: 1.

Claim 17. (New.) The polypeptide or claim 8, which has an amino acid sequence which is at least 98 % identical to SEQ ID NO: 1.

Claim 18. (New.) A polynucleotide encoding the polypeptide of claim 8.

Claim 19. (New.) A method of producing a polypeptide, comprising:

- a) selecting a first polypeptide which has phospholipase activity and has an amino acid sequence which is at least 50 % identical to SEQ NO: 1,
- b) altering the amino acid sequence wherein the alteration comprises one or more substitutions or deletion corresponding to the following in SEQ ID NO: 1: D62Q/E/F/W/V/P/L/G; V60R/S/K; S85Y/T; G91R/E; V203T; V228A; T231R; N233R; L259R/V/P; a deletion D266*; and/or L269A.

Claim 20. (New.) A method for producing cheese, comprising the steps of:

- a) treating cheese milk or a fraction of the cheese milk with the polypeptide claim 8; and
- b) producing cheese from the cheese milk during or after step a).